

Energy Secretary Visits LLNL



Energy Secretary Spencer Abraham (left) and Director Michael Anastasio (right) applaud Edward Teller as he was presented with DOE's Gold Award.

Energy Secretary Spencer Abraham, during his first visit to the Laboratory on November 26, received briefings on LLNL's stockpile stewardship and nonproliferation programs, toured the National Ignition Facility, and spoke to a standing-room only audience of Laboratory employees. Following his talk, Abraham presented Director Emeritus Edward Teller with the Department of Energy's highest honor, the Gold Award.

"The missions that drive this Laboratory each day have never been more



Lawrence Livermore
National Laboratory

*Making History
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important.” Abraham told LLNL employees. “The role you play here is absolutely vital.”

Abraham’s visit to the Laboratory was preceded by stops at Lawrence Berkeley Laboratory and the Stanford Linear Accelerator.

Homeland Security

New Homeland Security Organization at LLNL

Laboratory Director Michael Anastasio recently announced the formation of a new Homeland Security Organization at LLNL. This organization will provide support to the new federal Department of Homeland Security and help the nation counter the threat of terrorist use of weapons of mass destruction.

LLNL has for many years provided the federal government with technologies,

analyses and expertise in the area of homeland defense. This new organization will be headed by Dr. Wayne Shotts, presently associate director for the Laboratory’s Nonproliferation, Arms Control, and International Security directorate, in an acting capacity.

“The Lab’s history is marked by its focus on national security,” said Director Anastasio. “Because homeland security is a natural component of this effort, I fully expect this new organization to follow in the tradition of the Laboratory.”



Let us hear from you

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Lab in the Community

Mark Your Calendars For ‘Spotlight on Science’

LLNL’s popular Community Science Lecture series, “Spotlight on Science,” will continue in the new year with talks in January, February and March.

- **January 23** - David M. Seaborg, son of Nobel prize-winning chemist Dr. Glenn Seaborg, on “The Current Status of Evolutionary Biology.” 7 p.m. in the Livermore High School auditorium.
- **February 20** – Wayne Norris with LLNL’s Operations Security office on “Protecting What’s Ours: The Loss of U.S. Technology to Competitors.” 7 p.m. at the Amador High School Playhouse in Pleasanton.
- **March 27** – Dr. Tammy Jernigan with the Laboratory’s Physics and Advanced Technologies Directorate on her experiences as a NASA astronaut and International Space Shuttle participant. 7 p.m. in the Livermore High School auditorium.

For more information on the Community Science Lecture series go to <http://www.llnl.gov/llnl/06news/Community/lecture.html>

Around the Lab

The Laboratory Features “Back to School”

LLNL’s Public Affairs Office has a new program to show young people what the Laboratory is all about and how to have fun with scientific discovery.

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Since November, the Laboratory has been hosting local fourth and fifth grade classes to *Super Science*, a program designed for young inquiring minds.

With the Discovery Center (the newly remodeled Visitors Center) as the focal point, students are guided through hands-on activities about earthquakes and energy, followed by additional experiments involving electricity, density and air pressure performed by Laboratory scientists.



***Super Science* classes at the Discovery Center guide students through hands-on activities.**

All materials and presentations are reviewed and aligned with the California standards for fourth and fifth grade science, and visiting teachers are given information and classroom activities before the trip to assist them in preparing their students for what they will hear and see. As a follow-up, the teachers return to their classrooms with a packet of lessons and experiments that complement their visit.

“It’s exciting to bring young students to the Laboratory. We hope the program will demystify the Laboratory and science in general,” said Karen Kiernan-Rodriguez, Manager of the Laboratory’s Public Education and Outreach Program.

For more information on *Super Science* contact Linda Lucchetti at 925-422-5815.

Changes Coming for *Community News*

In January, *Community News* will be transformed from a monthly online newsletter to a full-color, quarterly print publication. This new four-page newsletter will continue to keep you informed about Laboratory activities, and bring you the science news and feature stories that you have come to expect with *Community News*.

If you would like to be included on the distribution list for this new publication, please e-mail your mailing address to Scott Wilson ([wil-son101@llnl.gov](mailto:wilson101@llnl.gov)) in the Laboratory’s Public Affairs Office.



Science and Technology

LLNL Physicists Honored by American Physical Society

Seven Laboratory physicists have been named fellows by the American Physical Society (APS). The individuals honored are:

- Tomas Diaz de la Rubia, associate director for the Lab's Chemistry and Materials Science Directorate, for his work in computational physics
- Yu-Jiuan Chen of the Fusion and Energy Division of the Physics and Advanced Technologies (PAT) Directorate, for her work in physics of beams
- Forrest Rogers, a physicist in the PAT Directorate, for his work in plasma physics
- Barbara Lasinski, a long-time physicist in the Defense and Nuclear Technologies Directorate, for developing particle-in-cell codes for laser plasma interaction physics
- Otto "Nino" Landen, acting associate program leader in the National Ignition Facility Programs Directorate, for his work in plasma physics
- Andrew McMahan, a physicist in the PAT Directorate for 28 years, for his work in computational physics
- Donald Prosnitz, a physicist in the Nonproliferation, Arms Control and International Security Directorate, for his pioneering work in free electron lasers.

The Fellowship Program of the APS was created to recognize members who have made advances in knowledge through original research and

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publication or made significant and innovative contributions in the application of physics to science and technology. They may also have contributed to the teaching of physics, or provided service and participated in activities of APS.

Each year no more than 1 percent of the current membership of the Society is recognized by their peers for election to the status of fellow in APS. This selection is one of the largest from the Laboratory in a single year.

About Us

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Discover the Laboratory's New Discovery Center

The Laboratory's visitors center has a new look and a new name. The new Discovery Center is a window into the Laboratory, offering a look at its past, present, and future. A history tunnel welcomes visitors with both the sights and sounds of scientific achievements over the past five decades.

The Discovery Center is divided into three distinct zones, representing the major areas of the Laboratory's focus: Safety, Reliability and

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Performance of the U. S. Nuclear Stockpile; Homeland Security and the War on Terrorism; and Science and Technology in the National Interest. A unique video viewing area is available inside a small replica of the National Ignition Facility target chamber.



Everyone is welcome at the Discovery Center, located on Greenville Road at East Gate Drive. No badging is necessary. It is open Monday through Friday from 1:00 –4:00 p.m., and beginning this month will be open the first Saturday of each month from 10:00 a.m. to 3:00 p.m. Contact Linda Lucchetti, Discovery Center coordinator, at (925) 422-5815 for further information.

Come Tour the Laboratory

The Laboratory's Public Affairs Office is now offering a new, expanded tour of the Laboratory that includes stops at the Biology & Biotechnology Research Program, the National Atmospheric Release Advisory Center, and the Advanced Simulation and Computing Initiative building. Starting this month, the tour will also include a visit to the National Ignition Facility, which houses the world's largest and most powerful laser.

The two-hour tour is offered Tuesdays and Thursdays starting at 9:00 a.m. U.S. citizens must register at least two weeks in advance. Non-U.S. citizens must register at least sixty days in advance. Special tours can be arranged for groups of eight or more with two weeks' advance notice. All tours are free. For more information on the tour program go to www.llnl.gov/pao.

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